You should all have a Gmail account to use any of the data tools in Google.

To log in to Google Fusion Tables, go to www.google.com/fusiontables and logon with your Gmail account and password.

You can upload data from your own computer or you can browse public data. Be careful about using the public tables – you can't always verify that the information is correct.

Now that I've said that, let's use a public table called *life_exp_country* that I created from World Bank data.

Search for the file:

+You Gmail Calenda	ar Documents	Photos	Sites	Web	More -	
Google fu	ision tab	es beta	life_exp	o_coun	try	Search tables

When you find it, click on it to open:

life_exp_country							Ocks.	here.
File View Edit Visualize Merge								
Showing all rives options						1-1	100 =/ 213	lette
Country Name +	Contry Code -	2000 +	2001 +	2002 •	2003 +	2004 -	Ø	
Alghanistan	AFI	41.872	41.904	42.149	42.365	42.531	ø	8
Abaria	ALI	71.379	71.837	72.251	72.605	72.893	9	
Algeria	DZJ	68.811	63.166	\$9.506	69.819	70.921	ø	8
American Samos	AST						Ø	13
Andorra	A22						ø	8
Angola	AGI	41.744	42.035	42.377	42.759	43.178	P	13
Antigua and Bartuda	27A	72.3		72.5			ø	0
Argentina	ARI	70.132	70.323	70.512	70.702	70.893	Ø	13
Actualia	ARE	67.756	68.216	68.625	68.997	69.331	Ø	0
Anita	ABV	71.028	71.085	71.172	71,299	71.429	Ø	13
Autralia	AU.	76.6	77	77.4	77.8	78.1	ø	0
		and at		47.0	241.4		0	-

Right now the table is sorted by country name, but you can sort it by any column by clicking on the arrow at the top and choosing ASC or DESC.

Country Code -	2000 -	2
AFG	2000	41
ALB	Sort Asc	71
DZA	Sort Desc	65

Which country has the highest life expectancy in 2004? [Iceland] Which has the lowest (ignoring the blanks)? [Zimbabwe]. You also can filter your data by clicking on VIEW | FILTER

life_exp_country

File	View Edit	Visualize	Merge			
Show	Filter					
Country	Discussion	ns				
America	Saved link	s				
Andorra						
Filte	r <u>Aggregat</u>	e <u>Create v</u>	iew.			
Cour Add co	try Name 👻	-	•		×	

In the first box, choose the FIELD in the database, how you want to compare and the value. Here's a filter to find the country Chad:

Country Name 👻		Chad	×
Add condition ③ Apply Clear filter			
Country Name -	Country Code -	2000 -	2001 -
Chad	TCD	47.763	47.542

Click CLEAR FILTER to bring back the whole table. Here is a search for countries with life expectancies less than 50 in 2004:

Filter	Aggrega	te <u>Create v</u>	iew		
2009		<	·-	50	×
Add cond	ition 💿				
Apply	Clear filter				

It also will tell me how many records (countries) fit that criteria:

4 95 195
1 - 35 of 35

VISUALIZE YOUR DATA

Google Fusion makes it easy to visualize your data. Click on visualize and you'll see all the choices:

country

Edit	Visualize	Merge	
rows	Table		
	Мар		
•	Intensity	map	Cour
	Line		AFG
	Bar		ALB
	Pie		DZA
a	Scattor		ASM
	Scatter		AND
	Timeline	(date, text, number)	AGO
rbuda			ATG
			100

Because there are so many countries, doing a bar chart would be fairly confusing. But we can do a map.

Choose MAP and it will put a point in every country for which we have a record:



Click on a dot to get all of the fields for that country:



Go to VISUALIZE | TABLE to see your data again.

We can do a more interesting map by choosing INTENSITY MAP:



We can change the value being mapped by clicking on the down arrow for VALUE.

How did I get this data in there in the first place? You can add data to Google Fusion by importing from other files or creating new files. Let's import this file from the location provided by your instructor.

You also can create a new table by entering data.

New table 👻	0
Import table	
New empty table	×
Shared with me	
Trash	
Public tables	

Google Fusion assumes what your table should look like, we need to fix that. Go to EDIT | MODIFY TABLE INFO.

Name	MYCLASS	
Description		
Attribution		
Attribution link		
Exportable	V	

Here is where you can give your table a name and add notes about it (which is a good idea to remember later on).

Go to EDIT | MODIFY COLUMNS to change the column names. We're going to build a database of this class. So we'll also have to change the type for each column:

able Columns		Column Details
last name		Column name:
first name	Text	last name
Organization	Text	Type:
City	Text	Format:
Job	Text	None -
Years	Number	

×

To add more columns, go to EDIT | ADD COLUMNS

To Start entering data go to EDIT | ADD ROW:

Create new row	
last name	
first name	
Organization	
City	
Job	
Years	
COUNTRY	

Once we have our database built, we can analyze it further by going to VIEW | AGGREGATE:

Fiter	Aggregate	Create view
Show agg	regate: Years:	🗖 sum 🗖 average 🗖 maximum 🗖 minimum
	d by: Inter	name Effect name Companization City
Aggregate	a by. Last	

Job -

We can count – by fields such as job or country. We could average the number of years in the business. Click APPLY to run the aggregation. CLEAR AGGREGATION to undo it.

You can share the file with others by clicking SHARE. If you want to make data available online, you need to make it public.